ZNAMENSKIY, S., inzh.

Technological charts of roadstead operations. Rech.transp. 19 no.8:12-13 Ag '60. (MIRA 14:3)

1. Dneprovskoye parokhodstvo.
(Harbors)

ZNAMENSKIY, S.I., inzhener.

Dispatch control over the use of ships. Rech.transp.15 no.7:7-8 Jl '56. (Inland water transportation) (MIRA 9:9)

PROCESSES AND PROPERTIES INDEX

Kolfeedy, a new oil field in the Grozny area. A. S. Goncharenko and V. A. Znamenskii. Neftyanoe Khoz. S. S. S. R. 1940, No. [illegible]—A detailed geol. description of the area is presented. The crude oil, which is of a paraffin-base type, has d [illegible], water 1.2%, pour point 14°, flash point 34°, Conradson C [illegible]%, and resin below 21%, viscosity E_{50} 1.4 and E_{20} 3.13, initial b. p. 90°, 1.31% distd. at 110-20°, 4.58% at 110-50°, 10.81% at 150-60°, 28.61% at 250-00°, 35.01% at 300-10°, 40.07% at 320-30°, residue 45.85%. A. A. B.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZNAMENSKIY, V.A. (Voronezh); IVLEV, D.D. (Voronezh)

Equations for a viscoplastic solid at piecewise linear potentials. Izv. AN SSSR. Mekh. i mashinostr. no.6:12-16 N-D '63. (MIRA 17:1)

BURSHTAR, M.S.; BELOV, K.A.; GASANGUSEYNOV, G.G.; ZNAMENSKIY, V.A.; L'VOV, M.S.; PUSTIL'NIKOV, M.R.

Principal results of geological prospecting and problems of regional investigations in the Northern Caucasus. Geol. nefti i gaza 8 no. 1:23-29 Ja '64. (MIRA 17:5)

1. Severo-kavkazskiy sovet narodnogo khozyaystva i Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

ZNAMENSKIY,V.A.;IVLEV,D.D. (Voronezh)

"On the equations of visco-plastic flow for piecewise-linear potentials"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

ZNAMENSKIY, V.A.

Selection of methods for regulating beds of rivers receiving water of drainage systems. Meteor. i gidrol. no.9:23-28 S '61. (MIRA 14:8)

(Rivers--Regulation)

ZNAMENSKIY, V. A., Cand Tech Sci, "Alteration of the Regime of the water rivers of ~~Rivers acting as~~ intake ~~for~~ drainage systems in deepening, rectification, and collapse of river channels." Minsk, 1961. (Min of Higher and Sec Spec Ed BSSR. Belorussian Polytech Inst). (KL-DV, 11-61, 219).

ZNAMENSKIY, Vladimir Alekseyevich; POVALYAYEV, V.M., red.izd-va; FOSS, Yu.A., tekhn. red.

[On the way to other planets] Na puti k drugim planetam. Voronezh, izd-vo Voronezhskogo univ., 1963. 61 p. (MIRA 16:12)

(Space flight)

KARPENKO, N.M., red.; ZNAMENSKIY, V.A., red.; PERSHINA, Ye.G., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Oil and gas potentials of and prospecting trends in Ciscaucasia and the Northern Caucasus; materials of the North Caucasian petroleum workers' conference held in Krasnodar, January 15-21, 1958] Perspektivy neftegazonosnosti i napravlenie razvedochnykh rabot na neft' i gaz na Severnom Kavkaze i v Predkavkaz'e. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 242 p. (MIRA 12:10)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennaya planovaya komissiya. (Caucasus, Northern--Petroleum geology)

ZNAMENSKIY, V.A.

Changes in the stream flow following straightening of the channel. Nauch.-tekh.inform.biul.LPI no.1/2:125-132 '58. (MIRA 12:6)

(Hydrodynamics)

14(10)

SOV/112-59-3-4584

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3, p 44 (USSR)

AUTHOR: Znamenskiy, V. A.

TITLE: Change in the Stream Conditions After Waterway Straightening (Izmeneniye rezhima potoka posle spryamleniya rusla)

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1958, Nr 1-2, pp 125-132

ABSTRACT: Bibliographic entry.

Card 1/1

ZNAMENSKIY, V.A.

Determining the rational disposition of sewage outlets and water intakes by means of operating with large-scale models of natural bodies of water. Trudy GGI no.117:161-166 '64
(MIRA 18:1)

ZNAMENSKIY, V.A.

Estimating channel stability of regulated rivers on the basis of morphometric relationships. Meteor.i gidrol. no.6:13-16 Je '60. (MIRA 13:6)

(Rivers--Regulation)

1. KUKANOV, N. M. - ZNAMENSKIY, V. A.

2. USSR (600)

4. Ural Mountains - Water, Underground

7. Preliminary hydrogeolocial survey of the subterranean waters in the regions of the western Ural Permian Foothills, (Abstract.) Izv.Glav. upr.geol.fon. no. 3, 1947

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

1. KUKANOV, V. M. - ZNAMENSKIY, V. A.

2. USSR (600)

4. Water, Underground - Ural Mountains

7. Preliminary hydrogeological survey of the subterranean waters in the regions of the western Ural Permian foothills. (Abstract.) Izv.Glav.upr.geol.fon. no.3, 1947

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

ZNAMENSKIY, Vladimir Alekseyevich; VOROTNIKOVA, R.V., red.; SKRADZSKAYA, P.G., tekhn.red.

[A new step into the space] Novyi shag v kosmos. Voronezh, Voronezhskoe knizhnoe izd-vo, 1959. 18 p. (MIRA 13:1)
(Lunar probes)

ZNAMENSKIY, V.A.

Possibility of applying Chezy formula to the calculation of river floods. Meteor.i gidrol. no.6:41-42 Je '61. (MIRA 14:5)
(Floods)

ZNAMENSKIY, V.A.; LEBEDEV, N.F.; AGEROV, D.L.

Accelerated identification of the plague microbe using fluorescent antibodies. Trudy VladIEMG no.2:191-198 '62. (MIRA 18:3)

ZNAMENSKIY, V.A.

Variations of the fluorescent antibodies method for accelerated identification of the plague microbe. Trudy VladIEMG no.2: 198-202 '62. (MIRA 18:3)

IVANENKO, T.P.; SHAPIRO, M.I.; ZNAMENSKIY, V.A.

Use of the fluorescent antibodies method for the detection of bacteria of the Salmonella genus. Trudy VladIEMG no.2:244-247 '62. (MIRA 18:5)

1. Iz Vladivostokskogo nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigiyeny.

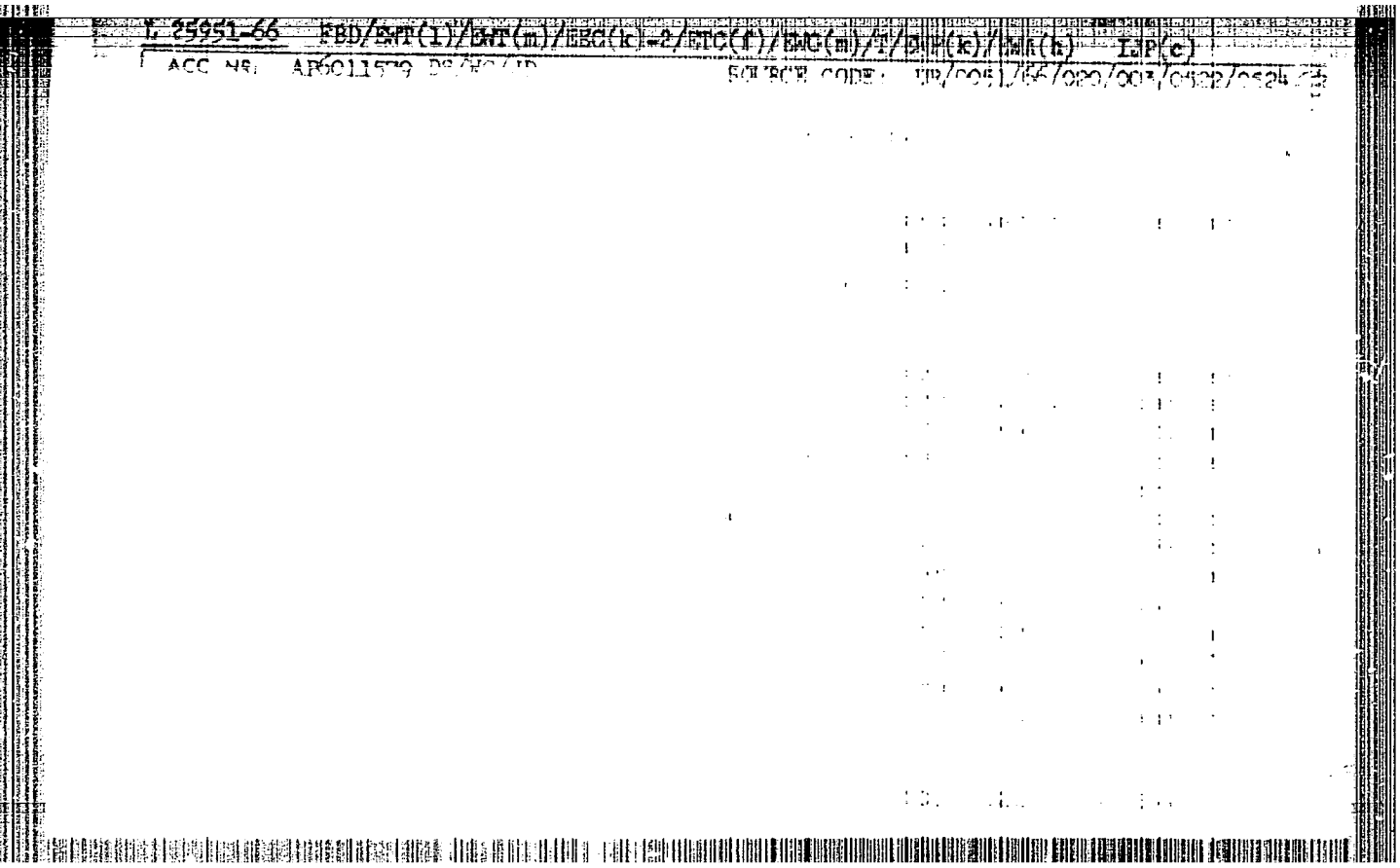
SHARDANOV, A.N.; ZNAMENSKIY, V.A.

Mud volcanoes and oil potential of the Taman Peninsula.
Geol. nefti i gaza 9 no.6:36-40 Je '65. (MIRA 18:8)

1. Krasnodarskiy filial Vsesoyuznogo neftegazovogo nauchno-issledovatel'skogo instituta i ob"yedineniye Krasnodarneftegaz.

VERVEYKO, N.D. (Voronezh); ZNAMENSKIY, V.A. (Voronezh)

Flow of an elastoplastic medium in a curved circular pipe in case of a constant pressure drop. Izv. AN SSSR. Mekh. no.5:169-171 S-O '65.
(MIRA 18:10)



~12 mA/cm. The dependence of the laser power on the partial pressure of the helium

ZNAMENSKIY V. F.

AGGEYEV, P.K., prof.; ANDREYEVA-GALANINA, Ye.TS., prof.; BASHENIN, V.A., prof.; BENENSON, M.Ye., doktor med.nauk; VYSHEGORODTSEVA, V.D., prof.; GESSEN, A.I., dotsent; GUTKIN, A.Ya., prof.; ZHDANOV, D.A., prof., laureat Stalinskoy premii; ZNAMENSKIY, V.F., prof.; KLIONSKIY, Ye.Ye., prof.; MONASTYRSKAYA, B.I., prof.; MOSKVIN, I.A., prof.; MUCHNIK, L.S., kand.med.nauk; PETROV-MASLAKOV, M.A., prof.; RUBINOV, I.S., prof.; RYSS, S.M., prof.; SMIRNOV, A.V., prof., zasluzhennyy deyatel' nauki; TIKHOMIROV, P.Ye., prof.; TROITSKAYA, A.D., prof.; UDINTSEV, G.N., prof.; UFLYAND, Yu.M., prof.; FEDOROV, V.K., prof.; KHILOV, K.L., prof., zasluzhennyy deyatel' nauki; VADKOVSKAYA, Yu.V., prof.; MARSHAK, M.S., prof.; PETROV, M.A., kand.med.nauk; POSTNIKOVA, V.M., kand.med.nauk; RAPOPORT, K.A., kand.biolog.nauk; ROZENTUL, M.A., prof.; YANKELEVICH, Ye.I., kand.med.nauk; LYUDKOVSKAYA, N.I., tekhn.red.

[Book on health] Kniga o zdorov'e. Moskva, Gos.izd-vo med.lit-ry, Medgiz, 1959. 446 p. (MIRA 12:12)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Zhanov, Udintsev). 2. Leningradskiy sanitarno-gigiyenicheskiy meditsinskiy institut (for all, except Vadkovskaya, Marshak, Petrov, Postnikova, Rapoport, Rozentul, Yankelevich, Lyudkovskaya). (HYGIENE)

ZNAMENSKIY, V.F., professor, zaveduyushchiy; POLIVANOVA, T.I., klinicheskiy ordinar.

Secretory function of the stomach in dyspepsias in infants. Vop.pediat. 21 no.4:21-25 Jl-Ag '53. (MLRA 6:10)

1. Kafedra pediatrii Leningradskogo gosudarstvennogo sanitarno-gigiyenicheskogo instituta. (Dyspepsia) (Gastric juice)

ZNAMENSKIY, V. G., KORSHUNOVA, O. S.

"On the experimental investigation of the natural foci of infectious nephrosonephritis in the far eastern Primorye," p. 119

Desyatoye soveshchaniye po parazitologicheskim problemam i prirodnoochagovym bolezniyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Science USSR and Academy of Science USSR, No. 1 254pp.

ZNAMENSKIY, V.I., assistent

Use of Filatov's pedicle flap in resotrative face surgery. Stomatologiia 40 no.4:28-30 Jl-Ag '61. (MIRA 14:11)

1. Iz kafedry chelyustno-litsevoy khirurgii (zav. - prof. A.A.Limberg) Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M.Kirova (dir. - dotsent A.Ye. Kiselev) i chelyustno-litsevogo otdeleniya (zav. - starshiy nauchnyy sotrudnik A.T.Titova) Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - prof. V.S.Balakina).

(FACE--SURGERY)

FELORENKO, A.N., nauchn. red.; ZNAMENSKIY, V.I., red.; SERGEYEVA, N.A., red.

[Exhibition on "Seismic prospecting methods"; a catalogue: Work methods. Apparatus and equipment] Tematicheskaia vystavka, "Seismicheskie metody poiskov i razvedki poleznykh iskopaemykh"; katalog: Metodika rabot. Apparatura i oborudovanie. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1963. 91 p. (MIRA 17:11)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR. Pavil'on "Geologiya."

ZNAMENSKIY, V.I.

Restoration of the cheek with a pedículate flap in continuously open, through defects. Trudy Len.gos.nauch.-issl.inst.travm. i ortop. no.7:279-283 '58. (MIRA 13:6)

1. Iz chelyustno-litsevogo otdeleniya Leningradskogo gosudarstvennogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(CHEEK--SURGERY)

YERMILOVA, Lidiya Pavlovna; ZNAMENSKIY, V.L., red. izd-va; GUS'KOVA, O.M., tekhn. red.

[Minerals of the Karaoba molybdenum-tungsten deposit in central Kazakhstan] Mineraly molibdeno-vol'framovogo mestorozhdeniia Karaoba v TSentral'nom Kazakhstane. Moskva, Izd-vo "Nauka," 1964. 174 p. (MIRA 17:3)

AKSEL'RUD, Semen Borisovich; ZNAMENSKIY, V.I., red.izd-va; [illegible]KOVA, V.V., tekhn. red.

[Organization of exploratory drilling crews] Organizatsiia geologorazvedochnykh burovykh partii. Moskva, Gosgeoltekh-izdat, 1963. 83 p. (MIRA 17:3)

ZNAMENSKIY, V.M.

137

PHASE I BOOK EXPLOITATION SOV/5485

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnoye khozyaystvo SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy soveshchaniya v 4 tomakh, t. 1: Obshchiye voprosy primeneniya izotopov, pribory s istochnikami radioaktivnykh izlucheniy, radiatsionnaya khimiya, khimicheskaya i neftepererabatyvayushchaya promyshlennost' (Radioactive Isotopes and Nuclear Radiations in the National Economy of the USSR; Transactions of the Symposium in 4 Volumes. v. 1: General Problems in the Utilization of Isotopes; Instruments With Sources of Radioactive Radiation; Radiation Chemistry; the Chemical and Petroleum-Refining Industry) Moscow, Gostoptekhizdat, 1961. 340 p. 4,140 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii.

Ed. (Title page): N.A. Petrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitsin, Ya. M. Kolotyrkin, N.P. Syrkus and R.F. Romm; Executive Eds.: Ye. S. Levina and B. F. Tiitskaya; Tech. Ed.: E.A. Mukhina.

Card 1/12

Radioactive Isotopes (Cont.) SOV/5486

PURPOSE: The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

COVERAGE: An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles.

Card 2/12

S/263/62/000/007/003/014
I007/I207

AUTHOR: Barabanov, B. V., Vaynu, E. Ya., Znamenskiy, V. M., Shpor, K. K. and Yanushovskiy, V. A.

TITLE: Standard radioactive thickness gage for measuring the thickness of coatings and sheet materials

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. Ismeritel'naya tekhnika, no. 7, 1962, 11, abstract 32.7.70. Collection "Radioakt. izotopy i yadern. izluchenyya v nar. kh.-ve SSSR", Moscow, Gostoptekhizdat, v. 1, 1961, 134–140

TEXT: The economic effectiveness of standard radioactive thickness gages for the routine production control of various sheet materials is stressed. It is shown that standardization of radioactive measuring instruments, apart from conventional advantages (improved mass production, reduced prime cost, interchangeability, etc.) permits the use of standard radioactive sources. The paper presents data on the following radioactive measuring instruments produced at the Tallin pilot plant for control and measuring instruments: 1) Noncontact weighing gage of the БИВ-1 (BIV-1) type for continuously measuring the weight of a coating applied to a fabric. The gage works on the compensation principle and is provided with two ionization chambers. The weight-measuring range for surface coatings varies from 200 to 800 g/m^2, and the accuracy is 2%. The gages work with a Tl^{204} source; 2) The noncontact gamma-thickness gage of the ИТУ-495 (ITU-495)

Card 1/2

Standard...

type (and of its variant the ИТШ-496 (ITSh-496) type) is used for the continuous measurement of thickness of a moving steel strip during the rolling operation. The measuring range varies from 0.05 to 1 mm, the accuracy is ±1.5%. The device works on the compensation principle. The electrometric stage is operated by d.c. frequency-modulated circuitry; 3) The beta-thickness gage of the БТП-2 (BTP-2) type is designed for the sampling control of surface coatings. The device permits the measurement of thickness of surface coatings on materials the atomic number of which markedly differs from the atomic number of the coated support. Maximum value of measured thickness is 65 mg/m^2; 4) Universal radioactive thickness gage of the УРИТ-1 (URIT-1) type for sheet materials and coatings. The device works on the differential principle with automatic readjustment, for comparing the materials to be measured with a standard thickness. Description of the working principle is given and it is shown that by proper choice of the ionization chambers and radioactive sources it is possible to obtain a wide range of thickness measurements. There are 2 figures.

[Abstracter's note: Complete translation.]

Card 2/2

BULANKINA, M. M.; YAKOVLEV, B. V.; GOLUBINTSEVA, A. P.
DZHIYEMBAYEV, Zh. T.; ZNAMENSKIY, V. S.

Coordination conferences. Zashch. rast. ot vred. i bol. 5
no.5:57-61 My '60. (MIRA 16:1)

(Plants, Protection of—Congresses)

13

ZNAMENSKIY, V.S.

Pistachio leaf pests in southeastern Turkmenistan. Izv. AN Turk. SSR. Ser. biol. nauk no.6:87-90 '61. (MIRA 15:1)

1. Badkhyzskiy gosudarstvennyy zapovednik i Moskovskiy lesotekhnicheskiy institut.
(TURKMENISTAN--PISTACHIO--DISEASES AND PESTS)

ZNAMENSKIY, V.S., lesopatolog

Pistachio seed eating insect Megastigmus pistaciae. Zashch. rast. ot vred. i bol. 5 no. 8:33-34 Ag '60. (MIRA 13:12)
(Pistachio--Diseases and pests)

ZNAMENSKIY, V. S.

Present state and tasks of forest protection. Zashch. rast. ot vred. i bol. 5 no.6:58-59 Je '60. (MIRA 16:1)

(Forest protection--Congresses)

ZHAMKOCHKIY, V. F.

Medicine

Diagnostic technique and therapy in children's diseases, (Leningrad) Medgiz, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1952 [illegible], Uncl.

KHOL'MYANSKAYA, D.V.; KOSHEVAYA, K.A., glavnyy vrach; ARONOVICH, G.D., nauchnyy rukovoditel', professor; ZNAMENSKIY, V.F., professor.

Disorders of cerebral blood circulation in children. Vop.pediat. 21 no. 2:24-29 Mr-Ap '53. (MLRA 6:6)

1. Nervnoye otdeleniye 2-oy gorodskoy detskoy klinicheskoy bol'nitsy.
(Brain--Diseases) (Blood--Circulation, Disorders of)

PROCESSES AND PROPERTIES INDEX

BC

B-III-1

Manuring of the lower Don sands. V. D. Zhabchinskii (Proc. Conf. Soil Sci., Saratov, 1937, 2, 210—221).—Effects of manuring sandy soils are reported and future possibilities discussed. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZHAMKOCHYAN, V.V.

Problem of stress relation in schizophrenia; preliminary communication. Zh. nevropat. psikhiat., Moskva 53 no.10:753-758 Oct 1953. (CLML 25:4)

1. Department of Psychiatry of Khar'kov Medical Institute and First Psychiatric Clinic of the Ukrainian Psychoneurological Institute.

ZNAMENSKIY, V. V.

"The Problem of Stress Relationships in Schizophrenia (Preliminary Communication)", Zhurnal Nervopatologii i Psikhiatri imeni S.S. Korsakova, Vol 53, No 10, 1954, pp 753-758

Trans

M-125, 24 Jan 55

ZNAMENSKIY, V.V.

Problem of relationship of forces in schizophrenia; preliminary survey. Zhur. nevr.i psikh. 53 no.10:753-758 O '53. (MLRA 6:10)

1. Kafedra psikhiatrii Khar'kovskogo meditsinskogo instituta. 2. I Psikhiatricheskaya klinika Ukrainskogo psikhonevrologicheskogo instituta.
(Schizophrenia) (Sulfur--Therapeutic use)

ZNAMENSKIY, V.V.

ZNAMENSKIY, V.V.

Nature of the gravitational field of the Volga-Ural interfluve and its relation to tectonics. Trudy MNI no.14:23-35 '55. (MLRA 8:11)

(Volga Valley--Gravity) (Ural Valley--Gravity)

ZNAMENSKIY, V. V.

RYABINKIN, L.A.; ZNAMENSKIY, V.V.

New data on recording multiple waves in seismic prospecting. Izv. AN SSSR.Ser.geofiz. no.11:1316-1321 N '56. (MLRA 10:1)

1. Moskovskiy neftyanoy institut imeni I.M. Gubkina.
(Seismic waves) (Prospecting--Geophysical methods)

ZNAMENSKIY, V.V.

ZNAMENSKIY, V.V.; RYABINKIN, L.A.

First experimental data on controllable directional sensitivity recording of seismic waves in the Aktiubinsk Province in the Ural Mountain region. Trudy MNI no.18:140-156 '57. (MIRA 10:11)
(Aktiubinsk Province--Seismometry)

Znamenskiy, V.V.

RYABINKIN, L.A.; ZNAMENSKIY, V.V.

New data on recording short waves in seismographic geophysical exploration. Trudy MNI no.18:157-167 '57. (MIRA 10:11)
(Seismometry) (Prospecting--Geophysical methods)

ZNAMENSKIY, V.V.

KAZAKOV, M.P.; ZNAMENSKIY, V.V.

Southwestern margin of the Russian Platform. Trudy MNI no.19:19-32 '57. (MIRA 11:1)

(Russian Platform--Geology, Structural)

KAZAKOV, Mikhail Pavlovich; CHARYGIN, Mikhail Mikhaylovich; BYKOV, Rink Ivanovich; VASIL'YEV, Yuriy Mikhaylovich; ZHAVORONSKIY, Vladimir Vyacheslavovich; SHAYKHUTDINOV-MULYUKOV, Rustem Badirovich; POLOSINA, A.S., tekhn. red.

[Tectonics and history of the development of the Caspian Depression and adjacent regions in connection with questions of the presence of gas and petroleum] Tektonicheskoe stroenie i istoriia razvitiia Prikaspiiskoi vpadiny i smezhnykh oblastei v sviazi s voprosami neftegazonosnosti. Pod red. M.P. Kazakova i M.M. Charygina. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 402 p. (MIRA 11:9)

(Caspian Depression—Geology, Structural)

RYABINKIN, L.A.; ZNAMENSKIY, V.V.

Some characteristics of materials obtained by the use of the controlled directional sensitivity method in the Aktyubinsk area of the Ural Mountain region. Trudy MINKHiGP no.26:67-82 '60. (MIRA 13:6)
(Aktyubinsk Province--Seismic prospecting)

ZNAMENSKIY, V.V.

Interpreting the data of principal modification of the controlled directional sensitivity method. Trudy MINKH1GP no.26:43-51 '60. (MIRA 13:6)
(Seismic prospecting)

RYABINKIN, L.A.; ZNAMENSKIY, V.V.; PECHENKIN, Ye.S.

Using the controlled directional sensitivity method of seismic prospecting in the Aktyubinsk area of the Ural Mountain region. Trudy MINNKhiGP no.26:113-145 '60. (MIRA 13:6)
(Aktyubinsk Province--Seismic prospecting)

S/011/60/000/007/002/002
A054/A129

AUTHORS: Kazakov, M. P., Charygin, M. M., Bykov, R. I., Vasil'yev, Yu. M., Znamenskiy, V. V., Seyful'-Mulyukov, R. B.

TITLE: Comment on the review by G. Ye.-A. Ayzenshtadt, S. N. Koltypin, and N. K. Trifonov on the book "Tectonic Structure and Evolution History of the Pre-Caspian Lowland and Neighboring Areas With Reference to Their Oil and Gas Deposits"

PERIODICAL: Akademiya nauk SSSR. Izvestiya, seriya geologicheskaya, no. 7, 1960, 89 - 94

TEXT: M. P. Kazakov's book referred to in the title was reviewed in Izvestiya akademii nauk SSSR, seriya geologicheskaya, 1960, no. 4, by G. Ye.-A. Ayzenshtadt, S. N. Koltypin and N. K. Trifonov. The review contains several mis-statements which are refuted one by one by the authors of the book in question. As distinct from Ayzenshtadt's review, the book contains the first maps of the facial complexes and layer thicknesses for the entire Caspian Lowland, mainly for the Jurassic system, and it covers a very large territory unknown until now. Contrary to the book by Aysenshtadt et al., in which some parts of the Caspian area are

Comment on the review...

dealt with only, Kazakov's book covers a much wider area and describes not only the thickness but also the facies of the entire Jurassic system. Based on an abundance of material, maps for extensive structures, such as those of Novobogata, the Sagiz Highland, the Emba valley, etc. are published for the first time in geological literature. Ayzenshtadt's review criticizes the accuracy of the definition given for the thickness of the mesozoic stratigraphic complexes and mentions 5 points which are inaccurate. These 5 points, however, cannot be considered decisive in a series of tests covering 6,211 measurements, but Kazakov even succeeds in defending the accuracy of the five results objected to in the review. Of the statements made by Ayzenshtadt and his co-reviewers those referring to the Southern Emba plateau are the most important in connection with prospecting for oil and gas in this area. The review questions the data published in the book by Kazakov on the folded structures in the area referred to. However, by 10 deep drillings carried out recently, dislocated and metamorphic sediments of the paleozoicum were surveyed so that the statements contained in the book reviewed are fully confirmed. The data referring to the thickness of the Lower Carbon (more than 2,000 m) and of the Carbon (in total more than 2,500 m) were not correct, according to Ayzenstadt et al. However, the actual values obtained for this carbon layer are the following

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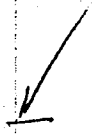
S/011/60/000/007/002/002
A054/A129

Comment on the review...

for the Upper Carbon: 422m, for the Medium Carbon: 490 m, for the Lower Carbon bed 1,429 m. Thus the entire depth of the carbon layers thus far established totals 2,341 m and this figure still does not represent the total thickness of the Carbon bed. Similarly, all the other criticism put forward by the review is refuted by the authors of the book, not only with the aid of their own material, but also with reference to other books and especially to the surveys and studies carried out by the Vsesoyuznyy aerogeologicheskiy trest (All-Union Aerogeologic Trust) and the Vsesoyuznyy neftyanoy geologo-razvedochnyy institut (All-Union Oil-Geologic Prospecting Institute). There are 11 Soviet-bloc references.



Card 3/3

ZNAMENSKIY, V. V.

PHASE I BOOK EXPLOITATION SOV/6278

Ryabinkin, Lev Aleksandrovich, Yuriy Viktorovich Napalkov, Vladimir Vyacheslavovich Znamenskiy, Yuriy Nikolayevich Voskresenskiy, and Miron Borisovich Rapoport.

Teoriya i praktika seysmicheskogo metoda RNP (Theory and Practice of of the Seismic Method of Controlled Directional Reception). Moscow, Gostoptekhizdat, 1962. 293 p. (Series: Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti. Trudy, vyp. 39). 3000 copies printed.

Sponsoring Agency: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSFSR, and Moskovskiy ordena trudovogo krasnogo znameni Institut neftekhimicheskoy i gazovoy promyshlennosti im. I. M. Gubkina.

Editorial Board: Resp. Ed.: K. F. Zhigach, Professor, I. M. Muravyev, Professor, E. I. Tagiyev, Professor, E. A. Bakirov, Candiate of Geological and Mineral Sciences, M. M. Charygin, Professor, F. F. Dunayev, Professor, I. A. Charnyy, Professor, N. I. Chernozhukov,

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Professor, Ye. M. Kuzmak, Professor, V. N. Dakhnov, Professor, G. M. Panchenkov, Professor, N. S. Nametkin, Professor, N. A. Almazov, Docent, A. A. Tikhomirov, Candidate of Economic Sciences, V. I. Biryukov, Candidate of Technical Sciences, V. I. Yegorov, Candidate of Economic Sciences, and V. M. Gurevich; Executive Ed.: Ye. G. Pershina; Tech. Ed.: Z. I. Yakovleva.

PURPOSE: This publication is intended for engineers and geologists concerned with seismic prospecting for oil and gas. It may also serve as a manual for seismic exploration with the method of controlled directional reception.

COVERAGE: The book outlines the method of controlled directional reception of seismic waves (RNP) used in geophysical prospecting. Problems connected with this method are analyzed with special emphasis on the problem of resolving power. There are 126 references: 114 Soviet, 11 English, 1 German.

ZNAMENSKIY, V.V.; RYABINKIN, L.A.; PETROV, L.V.; VARTANOV, S.P.; GAGEL'GANTS, A.A.; KOTLYAREVSKIY, B.V.; LOZOVSKAYA, I.F.; LYAKHOVITSKIY, F.M.; MAR'IN, N.I.; OSTROVSKIY, V.D.; PARIYSKAYA, G.N.; RIKHTER, V.I.; RUBO, V.V.; SLUTSKOVSKIY, A.I.; TARUTS, G.M.; TURCHANENKO, N.M.; SHMIDT, N.G.; SHNEYERSON, M.B.; GURVICH, I.I., red.; BORUSHKO, T.I., red.izd-va; GUROVA, O.A., tekhn. red.

[Instructions for seismic prospecting]Instruktsiia po seismorazvedke. Moskva, Gosgeoltekhizdat, 1962. 95 p. (MIRA 15:12)

1. Russia (1923- U.S.S.R.)Ministerstvo geologii i okhrany nedr. (Seismic prospecting)

ZNAMENSKIY, V.V., kand. geol.-miner. nauk; RYABINKIN, L.A., dots., kand. tekhn.nauk, otv. red.

[Prospecting geophysics; methodological handbook of laboratory and practical problems for correspondence students majoring in "Geophysical methods of prospecting for mineral deposits"] Razvedochnaia geofizika; metodicheskoe rukovodstvo po laboratornym i prakticheskim zaniatiiam dlia studentov-zaochnikov po spetsial'nosti "Geofizicheskie metody razvedki mestorozhdenii poleznykh iskopaemykh." Moskva, Rosvuzizdat, 1962. 22 p.
(MIRA 16:6)

(Prospecting--Geophysical methods)

ZNAMENSKIY, V.V.; TSZYAN TSZIN'-TSIN [Chiang Ch'in-Ch'ing]

Using the controlled directional method of seismic prospecting in the crystalline basement of the Volga-Ural region. Razved. i prom. geofiz. no.47:3-12 '63. (MIRA 16:8)
(Volga-Ural region--Seismic prospecting)

ZNAMENSKIY, V.V.; KHVILEVITSKIY, M.O.

Using the controlled directional sensitivity method for regional seismic prospecting in the Caspian Lowland. Trudy MINKHiGP no.50: 27-66 '64 (MIRA 18:2)

DMITRIYEV, L.V.; ZNAMENSKIY, Ye.B.

Distribution of titanium in granites [with English summary in insert]. Geokhimiia no.4:48-49 '56. (MLRA 9:11)

1. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo Akademii nauk SSSR, Moskva.
(Titanium) (Granite)

ZNAMENSKIY, Ye.B.; RODIONOVA, L.M.; KAKHANA, M.M.

Distribution of niobium and tantalum in granites [with summary in English]. Geokimiia no.3:222-225 '57. (MIRA 10:7)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR, Moskva.
(Niobium) (Tantalum) (Granite)

ZNAMENSKIY, Ye.B.

Average content of niobium and tantalum in igneous rocks and the earth's crust.[with summary in English]. Geokhimiia no.8: 730-734 '57. (MIRA 11:2)

1.Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR, Moskva.
(Rocks, Igneous) (Niobium) (Tantalum)

AUTHOR: Znamenskiy, Ye. B. 7-1-10/12

TITLE: On the Geochemistry of Titanium in the Intrusive Process of the Granite Series (K geokhimii titana v intruzivnom protsesse granitnogo ryada)

PERIODICAL: Geokhimiya, 1958, Nr 1, pp. 90-95 (USSR)

ABSTRACT: The average contents of TiO_2 in granites amount to 0,39 %. Granite pegmatites contain only 0,06 % TiO_2 on the average. This deconcentration of titanium during the intrusive process was investigated at the Kalbin massif in East Kazakhstan. This process can be divided into the following phases:
1) Main phase: medium-grained, slightly porphyritic, and porphyritic biotite granites of the so-called Kalbin type; more than 65% of the massif.
2) Phase of subsequent intrusion, macrocrystalline, mostly potash biotite granites of the so-called Monastyr type.
3) Phase of dike rocks, which is further divided into:
a) Dike rocks of the first epoch, microcrystalline biotite granites, but also aplites, pegmatites,

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granite porphyries and quartz-cassiterite veins.
b) Dike rocks of the second epoch, lamprophyres and quartz veins with sulphide mineralization.

According to this classification the contents of titanium of various samples were investigated according to the Ponomarev method (reference 7). The investigation shows:
1) The distribution of titanium is irregular, every facies has a characteristic proportion of titanium.
2) This proportion is highest in the granite rocks of the apical facies of the first intrusive phase (0,80 %), then follow the granites of the main facies of the first phase (0,33 %), then the granites of the second phase (0,25 %), of the third phase (0,09 %), and finally the pegmatites (0,02 %). Thus titanium is bound in the first phases as biotite and ilmenite, the following phases show a deconcentration of titanium.
3) In the massif the main facies of the first phase are most frequent, they are also least subject to the influence of assimilation. Their average contents of titanium are close to the data given by R. O. Deli and A. P. Vinogradov for granites. There are 5 tables and 10 references, all of which

On the Geochemistry of Titanium in the Intrusive Process of the Granite Series 7-1-10/12

are Slavic.

ASSOCIATION: Institute for Geochemistry and Analytical Chemistry ineni V. I. Vernadskogo AN USSR, Moscow (Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR, Moskva)

SUBMITTED: November 15, 1957

AVAILABLE: Library of Congress

1. Geochemistry 2. Titanium-Determination 3. Granite

Card 3/3

STAVROV, O.D.; ZNAMENSKIY, Ye.B.

Distribution of rare alkalies and mineralizer elements (B, F) in granitoids of the Kalba Massif (eastern Kazakhstan). Geokhimiia no.12:1108-1114 '61. (MIRA 15:3)

1. All-Union Scientific Research Institute of Mineral Raw Materials and Institute of Geochemistry, Siberian Branch of the Academy of Sciences of U.S.S.R., Irkutsk.
(Kalba Range--Geochemistry)

ZHAMENSKIY, Ye.B.; KONUSOVA, V.V.; KRINBERG, I.A.; POPOLITOV, E.I.; FLEROVA, K.V.; TSYKHANSKIY, V.D.

Distribution of titanium, niobium, and tantalum in granitoids containing sphenes. Geokhimiia no.9:800-805 '62.
(MIRA 15:11)

1. Institute of Geochemistry, Siberian Branch of the Academy of U.S.S.R., Irkutsk.
(Geochemistry)

ZNAMENSKIY, YE.B.

"On the average contents of niobium and tantalum in granitoids."

Report to be presented at the Conference on Chemistry of the Earth's Crust, Moscow, 14-19 Mar 63

TAUSON, L.V., doktor geol.-miner. nauk, otv. red.; ZNAMENSKIY, Ye.B., red.; LIN, N.G., red.; POZHARITSKAYA, L.K., red., red.; SHMAKIN, B.M., ZNAMENSKAYA, N.T., red.izd-va; VOLKOVA, V.V., tekhn. red.; SIMKINA, G.S., tekhn. red.

[Geochemistry of rare elements in igneous rocks] Geokhimiia redkikh elementov v izverzhennykh gornykh porodakh. Moskva, Izd-vo "Nauka," 1964. 152 p. (MIRA 17:3)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geokhimii.

Znamenskiy, Ye. M.

124-58-9-10657

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 169 (USSR)

AUTHOR: Znamenskiy, Ye. M.

TITLE: A Contribution to the Understanding of the Impact Strength of Lumber (K izucheniyu udarnoy prochnosti drevesiny)

PERIODICAL: V sb.: Issledovaniya prochnosti i deformativnosti drevesiny. Moscow, Gos. izd-vo lit. po str-vu i arkhitekture, 1956, pp 141-157

ABSTRACT: The transverse flexure of two series of flawless standard wood specimens was investigated: pine in the first series and pine and spruce in the second series. The author employed electric transducers and other electronic equipment and succeeded thereby to record the strains and obtain a picture of the dynamic impact strength and behavior of wooden materials. It is established that the pressure exerted by the high-speed response of the wooden specimens during impact bending is linearly proportional to the impact speed and that it does not evoke any additional bending stresses therein. A clearly defined region of inelastic working of the wood was made evident, also a noticeably heightened value (as compared with

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124-58-9-10657

A Contribution to the Understanding of the Impact Strength of Lumber

the static value) of the reduced modulus of elasticity. The strain rate of the wood during the application of the load, in several cases, was clearly reflected in its strength and strain characteristics.

V. F. Ivanov

1. Wood--Mechanical properties 2. Wood--Analysis

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29-58-5-2/26

AUTHOR: Znamenskiy, Yu., Member of the Film Section of the Leningrad House of Scientists

TITLE: Fascinating and Useful (Uvlekatel'no i polezno)

PERIODICAL: Tekhnika Molodezhi, 1958, Nr 5, 1 p. (USSR)

ABSTRACT: After all the arguments which arose on the occasion of the organisation of independent film studios had calmed down, the problems connected with taking the pictures start, as the author says. An amateur film can also be produced by one person only. Such an universal amateur produces everything himself from beginning to end. He writes the book, takes the pictures, works and equips his film with sound. It is, however, better to do all this work in a collective. In an amateur studio there are, however, no limited special works, and every collaborator must be able to do any work. The production of an amateur film is very fascinating, but it is at the same time tedious and takes much time, it also needs much patience and persistence. There are, however, also films the taking of the pictures of which needs great skill. These are the "Quick"-films taken by a reversible narrow film. The originators of this "Quick"-film are the film amateurs

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Fascinating and Useful

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stage workers Tamara Ptitsyna and Leonid Maslyukov. During the intervals of a performance and between the acts the inventors took the pictures, developed them, glued them together projected it on the screen. An amateur cinema is not only actually fascinating but also useful by creating documents which fix the manifold character of the today's life and hands it down to our successors.

1. Motion pictures---Production

Card 2/2

ZNAMENSKIY, Yu. (g. Leningrad)

Photoclub in a school. Politekh.obuch. no.5:93-94 My '59.
(MIRA 12:7)
(Photography--Study and teaching)

ZNAMENSKIY, Yu. (Leningrad)

Audio advertising. Sov. torg. 36 no.2:51-52 F '63.
(MIRA 16:4)

(Advertising)

ZNAMENSKIY, Yu. (Leningrad)

Lighting engineering at the service of advertising. Sov. torg. 36 no.8:53-54 Ag '63. (MIRA 16:11)

ZNAMENSKIY, Yu.; KHUDYAKOVA, E.

Dairy restaurant "Leningrad." Obshchestv.pit. no.1:33 Ja '63.
(MIRA 16:4)
(Leningrad--Restaurant, lunchrooms, etc.)

ZNAMENSKIY, Yu. (g.Leningrad)

Useful book on educational motion pictures ("Educational motion pictures for schools; annotated catalog and handbook." Reviewed by IU.Znamenskii). Politekh.obuch. no.9:91-92 S '59. (MIRA 12:12)

(Motion pictures in education)

ZHAMENSKIY, Yu.

"Motion pictures and industrial field trips in secondary schools" by N.P. Ivashkevich. Reviewed by IU.P. Znamenskii. Politekh.obuch. no.10:78-79 O '58. (MIRA 11:11)
(Motion pictures in education) (School excursions)

ZHAMENSKIY, Yu.

Using slides for improving instruction. Avt. transp. 33 no.5: 41 My '55. (MLRA 8:8)

(Visual instruction)

ZNAMENSKIY, Yu.

Wider use of motion pictures for miner education. Mast.ugl.5 no.7:29 Jl '56. (MLRA 9:9)
(Motion pictures in education)

ZHAMENSKIY, Yu.

Films made by Leningraders. Sov. foto 18 no.9:57 S '58.
(Leningrad--Cinematography) (MIRA 11:10)

ZNAMENSKIY, Yu. (Leningrad)

Let's give more attention to motion-picture advertising.
Sov. torg. 34 no.6:55-56 Je '61. (MIRA 14:7)
(Motion pictures in advertising)

ZNAMENSKIY, Yu.A.

Calculation of the traction of a trawl as related to the hauling speed, resistance of the trawl and the catch. Trudy VNIRO no.47: 155-157 '62. (MIRA 18:4)

ZHARINSKIY, Yu.D., Cand Chem Sci — (diss) " The kinetics of nitration of calcium carbide." Dzerzhinsk, 1959. 14 pp (GKKh USSR. State Scientific Research and Planned Inst of the Nitrogen Industry GIAP. Dzerzhinsk Affiliate). 150 copies (KL, 39-59, 101)

13

AUTHORS: Gol'dberg, N. A., Znamenskiy, Yu. D. SOV/20-120-1-40/63

TITLE: The Kinetics of Calcium Carbide Nitrogenization (Kinetika azotirovaniya karbida kal'tsiya)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 1, pp. 148 - 150 (USSR)

ABSTRACT: Using the method of reference 1, the authors tested the influence of various additions ($CaCl_2$, 99,2%; CaF_2,99,2%; BaF_2,99,7%;Na_2SiF_6,97,1%;NaF, 98,3% and $CaCN_2$+C) as well as of the partial pressure of nitrogen on the velocity of the reaction mentioned in the title. The polydisperse part of technical calcium-carbide (figure 1) was used for this purpose. The partial pressure of nitrogen was studied by using nitrogen-argon mixtures for calcium-carbide without additions at 1050° and at 1000°, and for calcium carbide of 1,5% CaF_2. A comparison of experimental results in the case of all additions mentioned (figure 1) gives the kinetic equation $R_\tau = k\sqrt{\tau}$.(1), where k denotes the speed constant and τ time. The k-values are given in table 1. They satisfy the Arrenius-equation (Arrhenius)

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$k = k_0 e^{-E/RT}$ (2). The activation energy K(Kcal/g-Mol) and the pre-exponential terms k_0 (micron -minute) can be calculated on this basis. The results of these calculations show (figure 2) that the dependence of k on E is well expressed by the equation $k_0 = k'_0 \cdot e^{aE}$, (3), here k'_0 = 1,41 (micron -minute), a= 0,352 $(Kcal/g\text{-}Mol)^{-1}$. To the authors' knowledge this dependence (3) was proved here for the first time as far as topochemical reactions are concerned, of which this reaction is one. When basing upon the conceptions of S. Z. Roginskiy's(References 8,10) theory the influence of accelerating mixtures can be explained through the activation of the reaction surface of calcium-carbide. Test results at varying partial pressure of nitrogen (figure 3) show this pressure and its corresponding speed constant related to the reaction as follows:

$k^{(P)} = \frac{k^{(P_o)}}{P_o} P$, (4), $k^{(P)}$ and $k^{(P_o)}$ being speed constants (micron-minutes) at a partial pressure of nitrogen P (in mm of

the mercury column) and a normal pressure P_o. Thus, the nitrogenization reaction of calcium carbide develops, in relation to nitrogen, according to the first order. In conclusion a kinetic equation (5) generalizing all the authors' research results in this field is given. There are 3 figures, 1 table and 10 references, 7 of which are Soviet.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti (State Scientific Research and Design Institute for the Nitrogen Industry)

PRESENTED: December 29, 1957, by S. I. Vol'fkovich, Member, Academy of Sciences, USSR)

SUBMITTED: December 24, 1957

1. Calcium carbide--Nitration 2. Mathematics--Applications

GOL'DBERG, N. A.; ZNAMENSKIY, Yu. D.

Kinetics and mechanism of nitration of calcium carbide. Zhur. fiz. khim. 36 no.12:2748-2751 D '62. (MIRA 16:1)

1. Gosudarstvennyy institut azotnoy promyshlennosti.

(Calcium carbide) (Nitration)

ZNAMENSKIY, Yu.D.; KISAROV, V.M.

Kinetics of acetone adsorption and desorption on commercial active coals. Dokl. AN SSSR 143 no.5:1156-1158 Ap '62. (MIRA 15:4)

1. Dzerzhinskiy filial gosudarstvennogo nauchno-issledovatel'skogo instituta po promyshlennoy i sanitarnoy ochistke gazov. Predstavleno akademikom M.M.Dubininym.

(Acetone) (Adsorption) (Carbon, Activated)

BYLOV, V.D.; ZNAMENSKIY, Yu.D.; KAPITONOVA, L.P.; SHCHEDROV, M.S.

Sulfuric acid method of recovering nitrogen oxides from incompletely oxidized gases. Zhur.prikl.khim. 35 no.7:1503-1505 Jl '62. (MIRA 15:8)
(Nitrogen oxide)

ACC NR: AP7003125 SOURCE CODE: UR/0080/66/039/006/1307/1311

AUTHOR: [illegible], Yu. [illegible]; [illegible]opov, V. E.

ORG: none

TITLE: Relation between the rate of adsorption and adsorbability of substances on activated carbon

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 6, 1966, 1307-1311

TOPIC TAGS: activated carbon, adsorption

ABSTRACT: It follows from experimental data on the adsorption of vapors of organic substances from a gas stream by various types of activated carbon that there is a linear relation for any one adsorbent between values of the coefficient of adsorption K_{ads} and the ratio c_0/a_∞ (c_0 = initial concentration of the substance), which may be regarded as a criterion of adsorbability of substances and is determined by the kind of adsorption isotherm obtained. The relations $K_{ads} = K'D \frac{c_0}{a_\infty} = \beta B \frac{c_0}{a_\infty}$ apply, where D is the coefficient of diffusion and B a constant that varies with the type of activated carbon. There is a linear relation between K'D and the coefficients of affinity β of the substances adsorbed. The value of K'D depends relatively little on the gas velocity and the temperature. On the basis of the relations established, the value of K_{ads} for a substance

 UDC: 541.183 + 661.183.2

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ACC NR: AP7003125

can be determined without carrying out a special experimental investigation. Because the rate of adsorption increases with the adsorbability of substances, one must assume that this rate is determined by the velocity of surface diffusion (migration) of substances along the walls of micropores of the adsorbent, volume and molecular diffusion in the larger pores leading to the micropores is relatively fast and has no significant effect on the rate of adsorption. Orig. art. has: 2 figures, 10 formulas and 2 tables. [JPRS: 38,967]

SUB CODE: 07 / SUBM DATE: 29Jun64 / ORIG REF: 008 / OTH REF: 002